

19970623.qrp qrp-por0.765

>From owner-qrp-l@Lehigh.EDU Sun Jun 22 18:04 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id SAA02629
> for <shimshon@uro.theporch.com>; Sun, 22 Jun 1997 18:04:00 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.6/SCO-5.0.2) with ESMTP id XAA15554
> for <shimshon@theporch.com>; Sun, 22 Jun 1997 23:03:55 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35059-65002>; Sun, 22 Jun 1997 19:03:23 -0400
>Date: Sun, 22 Jun 1997 19:03:09 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 765
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jun22.190323edt.35059-65002+76@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 765

Topics covered in this issue include:

- 1) [21745] DX on 30m w/ 5W & a crummy antoona
by NilsBull@aol.com
- 2) [21746] SST 30 to SST 30 QSO
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 3) [21747] Re: Loop antennas
by ekscott@ibm.net
- 4) [21748] Hello & Towards Simpler Superhets:
by Glen Torr <glentorr@ozemail.com.au>
- 5) [21749] QRP Stuff
by N4JS <n4js@amsat.org>
- 6) [21750] Re: Loops, etc.
by Bill Todd <bill@techline.com>
- 7) [21751] Re: Hello & Towards Simpler Superhets:
by Bill Meara <wmeara@erols.com>
- 8) [21752] Re: HP8640B Sig Gen
by "Bob Duckworth" <wb4mnf@atl.org>
- 9) [21753] X5BYZ DX
by K4AHK@ix.netcom.com
- 10) [21754] Re: SST ABX Mod
by "Paul Christensen" <paulc@mediaone.net>
- 11) [21755] Using TiCK with the SST
by "Paul Christensen" <paulc@mediaone.net>

- 12) [21756] More TiCK/SST Mods
by "Paul Christensen" <paulc@mediaone.net>
- 13) [21757] SST Tuning Range
by "Paul Christensen" <paulc@mediaone.net>
- 14) [21758] Reflector Help
by Bob Roach <KE4QOK@worldnet.att.net>
- 15) [21759] Fw: SST Tuning Range
by "Bob Follett" <bfollett@ditell.com>
- 16) [21760] Re: QRP Stuff/ OHR 400 problem trend?
by Jess Gypin <jessqrp@concentric.net>
- 17) [21761] 12 Volt Power Stations at Target
by DYARNES@aol.com
- 18) [21762] Another SST is Born
by Craig LaBarge <LaBarge_C@CompuServe.COM>
- 19) [21763] DX Callsign Info Server
by n4so@juno.com
- 20) [21764] Keeping the Argo 505
by JIM <kw3u@warwick.net>
- 21) [21765] Re: QRP Stuff/ OHR 400 problem trend?
by "j.w. thornton" <dub@oklahoma.net>
- 22) [21766] Target battery packs (watch out!)
by Jim W7LS <w7ls@brigadoon.com>
- 23) [21767] Re: QRP Stuff/ OHR 400 problem trend?
by "j.w. thornton" <dub@oklahoma.net>
- 24) [21768]
by LDG Electronics <ldg@radix.net>
- 25) [21769] Made in Japan Telegraph Key
by Dan Hogan <dhhogan@lightside.com>
- 26) [21770] Re: Field Day site for W5BI/WB5LYJ/WA5WHN/Adora Dog
by "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennc@alaska.net>
- 27) [21771] re: Juno crashes
by k5zty@juno.com (WILLIAM A STIETENROTH)
- 28) [21772] Oscilloscope
by "J.B. Fox" <w5hir@mail.phoenix.net>
- 29) [21773] Looking for a crystal
by "Mark A. Arvidson" <arvidson@swbell.net>
- 30) [21774] Re: NorCal 38
by Brian Short <SHORTCKT@primenet.com>
- 31) [21775] Re MCL mixer/MAR June sale
by Mike Czuhajewski <wa8mcq@u1.abs.net>
- 32) [21776] Re: short vs. long path
by george fremin iii <geoiii@bga.com>
- 33) [21777] OHR400 problem
by n4js@amsat.org
- 34) [21778] Re: Oscilloscope
by kd7s@psnw.com (Bill Jones)
- 35) [21779] My Cascade is built! Ready for FD!
by mpupeza@csolve.net (Michael Pupeza)

- 36) [21780] Found it! (Re: OHR400)
by n4js@amsat.org
37) [21781] Re: NE602 Differential Input/Output Impedance Question
by randy_ott@juno.com (Charles R. Ott)

Date: Sat, 21 Jun 1997 23:03:51 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@lehigh.edu
Cc: N3SAD@aol.com
Subject: [21745] DX on 30m w/ 5W & a crummy antoona
Message-ID: <970621230350_190589885@emout05.mail.aol.com>

Gang,

Every now and then I actually get on the air and have a couple QSOs. Like a couple minutes ago (06220245Z) I got a 559 report out of HB0/HB9LEY on 10.1083 MHz (precisely) with the ARK30 that I finished giving its last tune up yesterday. And a crummy antoona: two chunks of burned out projector motor wire stapled to the rafters in the attic, fed with some old 300 TV twin-lead that I got off some other pile of junk. Old reliable antoona tenner, of course.

A QSO like that -- after spending the previous tune-up times listening to OTs and HAs and LUs and XEs and UQs &c -- makes my day. And confirms my previous and long-held suspicion that I don't need those four 572Bs &c that are taking up space in the outhouse radio shack.

I'm planning on sneaking the ARK30 & some antoona stuff into the Cub Scout camp that young son Andy and I are going to be off to tomorrow afternoon. Five days and four nights in the "wilderness." And a good radio, a solid battery & something that looks like antenna. Oh, and the Eastern Bloc tank key that I bought from Dick Pascoe at Dayton97.

Heee heee heeee.... Or, as Beavis might say . . . Heh heh heh . . . Heh heh heh... thish is so cool.

73

Nils

WB8IJN &c

. . . now for the strawberry short cake & whip cream &c. . . right before I put that picture of L. Ron Hubbard auditing a tomatoe on my wallpaper . . . Heh heh heh . . . heh heh heh . . .

Date: Sun, 22 Jun 1997 05:10:58 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [21746] SST 30 to SST 30 QSO
Message-ID: <199706220410.FAA07331@chuck.dallas.sgi.com>

Gang,

Went to the USPS at 11 a.m. this morning. This after spending the morning painting on the house. One of the many joys of ownership.

Well, the priority package was there from Wilderness Radio. Got it home and opened it and it was all there. OK, lets wait a bit before starting it. Gotta go to home depot and pick up a storm door for the front.

It was about 7pm when I finally got started. OK, 2 hrs on this puppy. I had painted (yes, you heard right, painted) the case in the late afternoon, so it was ready to go.

Fired up the first time. No surprises. Only 1W out though, but hey it's K5FO's rig and he don't care. :-) So down to 0.95W and on the antenna. Have to run gain wide open for audio, so may have to do some work here. Will try different earphones later.

OK, hear a EA8/DJ1.. but he don't hear me. I do have faith though.

So move away and QRL? around 10.115 and don't hear anything and call CQ. KB8U/QRP comes back to me from Ann Arbor MI. He is 559/549 and I'm 439 at his QTH. Well, he just finished an SST and I was his first contact. I just finished mine and he was my first contact. So that is a 2x 30M SST QSO and at the same time 2x first QSOs on new rigs. Miracles do happen. Well, maybe not going that far but statistically what are the chances.

June 22, 1997 0345UTC duly noted and logged.

Is QRP great or what. Film at 11 on Monday.

dit dit es tn timer Russ

P.S. It was not scheduled and Russ don't know me from Adam.

K5FO QRP-L #1

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=037 30m=32 17m=5 12m=0 States=22/05/00 DX=03/00/00 QSLs=014

Date: Sat, 21 Jun 1997 20:28:27 -0700
From: ekscott@ibm.net
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21747] Re: Loop antennas
Message-ID: <33AC9BDB.4201@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

>
> With all the talk on Loop antennas I thought I would pass along something I
> saw one day. Being in Colorado where trees have a hard time growing unless
> they are planted and taken care of, one inventive ham here uses PVC pipes
> with T's on the top to run the wire through. All around his property are
> white PVC trees spaced where needed. At the top are T adapters with the
> wire running through them to keep the wire put. I didn't pay much
> attention at the time but if I were to do it I would drive rebar into the
> ground and put the PVC over it to support the PVC.

> I will try a picture

>
>
> PVC T
> -----
> Wire -----
> | |
> | |
> | | PVC Pipe
> | |
> | |
> |XX|
> |XX| Rebar
> |XX|
> ~~~~~|XX|~~~~~ Ground
> XX
> XX
> XX

> Boy that was fun. You could use 90 degree T's for the corners. It would
> put it about 10 feet above the ground.

>

> de KB0ROL, Brad

I have used the metal fence posts intended for barbed wire with great success for supporting temporary and not so temporary PVC masts just pound on them until the "spade" is a couple of inches below the surface and then slip the PVC over the top works like a champ>>>:-)

Erin Scott KK7GE
ekscott@ibm.net
KK7GE@N7UVH.#NID.ID.USA.NOAM

"life's too short to ride an ugly horse"

Date: Sun, 22 Jun 1997 14:50:23
From: Glen Torr <glentorr@ozemail.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21748] Hello & Towards Simpler Superhets:
Message-ID: <3.0.1.16.19970622145023.282f4ea6@ozemail.com.au>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
I have been subscribing to the group for several months now and enjoy it very much. It is great to be a part of the wider QRP community after having been a relatively isolated QRP'er for 22 years. Thank you all for the time and effort you put in.
The May CQ arrived down under last week and I read with interest Doug DeMaw's article "Towards Simpler Superhets: A building block for Experimenters". This looks perfect for my next project, I wonder if anyone else is building this and would like to swap notes.

Glen Torr VK1FB (Current Rigs SW40, WM20 & MFJ9020)
Canberra, Australia.

Date: Sun, 22 Jun 1997 03:37:30 -0400
From: N4JS <n4js@amsat.org>
To: qrp-1@Lehigh.EDU

Subject: [21749] QRP Stuff

Message-ID: <v03020900afd2843a7526@[206.106.174.44]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Well, I'm glad I din't rush the SST. I learned about making C10 15pf, and R10 120 ohms. Now anxiously awaiting someone to post how they improved the audio...

Actually, I have my SST30 finished, except for the ICs. I decided to go with sockets, and ordered a bunch from Dan's, along with a few other little things I'll need when I finally get around to the 38 Spl.

Did finish the SW160, all packaged up with it's own TiCK keyer. Probably gather dust until the Fall, but I'll be ready.

Before going to work tonight, turned on the OHR400, listened around, heard some DX, but nobody would answer me. Looked up at wattmeter. Zero (0)!!! watts! Now that's T00 qrp! Not sure what happened in the innards of the OHR400 while my back turned. This happened once before, and I thought it might have been a bad piece of coax from the rig to the coax switch, since when I replaced it, the power was back. This time checked output at the rig....still zilch. It will be a couple of days before I can take it apart and check it out. (Yep, I diddled the power control on the back...nothing.)

Did a little work on my Web page. Have to get some better rig pictures. I got a heck of a deal on a Digital Camera, so will be playing with it.

72/73

_ _ _ _ _ \ _ / _ . ' _ _ \ _ _ \ _ \ _ \ _ _ / _ _ / G-QRP #9544 Norcal #1989 QCWA CQrp CQC ARS #243 FISTS #2781 Formerly: K3HLU, W7JEF, W4MPC, TF2WKT	John L. Sielke n4js@amsat.org n4js@pobox.com n4js@n4js.ampr.org NJ Grid:FM29LN http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884 QRP-ARCI #9328 NE-QRP #507
--	--

Date: Sun, 22 Jun 1997 01:08:08 -0700

From: Bill Todd <bill@techline.com>

To: qrp-l@Lehigh.EDU

Subject: [21750] Re: Loops, etc.

Message-ID: <1.5.4.32.19970622080808.006cb744@mail.techline.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>To: ji3m@maxwell.com
>From: Bill Todd <bill@techline.com>
>Subject: Re: Correct Loop Antenna Circumference

>>Keep on looping. - Duffey KK6MC/5
>>
>>James R Duffey KK6MC/5 DM65
>>30 Casa Loma Road
>>Cedar Crest, NM 87008

I kinda prefer the "Little Latin Loopy Loo" (sorry, too much rock n roll when I was a teenager).

BCNU,
CUL - Bill-N7MFB
<http://www.techline.com/~bill>
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Sun, 22 Jun 1997 05:35:01 -0400
From: Bill Meara <wmeara@erols.com>
To: glentorr@ozemail.com.au
Cc: qrp-1@lehigh.edu
Subject: [21751] Re: Hello & Towards Simpler Superhets:
Message-ID: <199706220935.FAA17972@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:50 PM 6/22/97, you wrote:

>Hi All,
>I have been subscribing to the group for several months now and enjoy it
>very much. It is great to be a part of the wider QRP community after having
>been a relativley isolated QRPer for 22 years. Thank you all for the time
>and effort you put in.
>The May CQ arrived down under last week and I read with interest Doug
>DeMaws article " Towards Simpler Superhets: A building block for
>Experimenters ". This looks perfect for my next project, I wonder if anyone
>else is building this and would like to swap notes.
>

>Glen Torr VK1FB (Current Rigs SW40, WM20 & MFJ9020)
>Canberra, Australia.

>
>

Glen: I may have missed the May CQ, but yesterday I started work on Doug DeMaw's "Bare bones Superhet" from a 1982 QST. I'm going to design my own PC boards and build the receiver in several stages (on six different boards): VXO, Mixer, IF filter, IF amp, BFO/Product Detector, AF amp. I hope that this approach will provide for easy troubleshooting and (later) easy experimentation and modification. Yesterday the VXO board went together very quickly and percolates quite nicely.

I'm going to use an AF amp different from that presented by DeMaw. I prefer discrete components.

I plan to use this with my W1VD VXO transmitter on 20 and plan to eventually set it up for use on 30 with similar transmitter built for that band.

What kind of receiver did Doug present in the May CQ?

Welcome aboard! (I'm a newcomer myself.)

>
>
>
>

73 de N2CQR
Bill Meara
QTH: Falls Church, Virginia, USA
Formerly of Tegucigalpa, Bilbao and Santo Domingo
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Sun, 22 Jun 1997 05:53:00 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrpl@lehigh.edu>
Subject: [21752] Re: HP8640B Sig Gen
Message-ID: <199706220950.FAA21611@atl.org>

One of the local surplus guys has a couple of 8640B.
I can pick up and ship if anyone wants.
He does not ship!
Mil version. black panel, nice yellow case, rugged.

\$750 plus about another \$50 for good packing and UPS ground.
Commercial version \$1000 plus another \$50 or
so. Think he has 2 x mil and 3 x commercial.
I've seen them and they are clean.

No manuals.

Also found some Boonton RF millivoltmeters.
92 A, B, C
power up
no probes.
Think I can pick these up for \$75 or so/each if
there is enough interest to get 10 of them.

-bob
wb4mnf

Date: Sun, 22 Jun 1997 06:55:15 -0400
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Subject: [21753] X5BYZ DX
Message-ID: <33AD048F.27C7@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When in Dayton this Spring, I ordered an Emtech NW20 rig at the Thursday vendors night bash in the QRP hospitality suite. The NW20 kit went together very well and is a super rig. I've had lots of good contacts with it. My antenna is an attic dipole.

Late yesterday afternoon, I was listening around 20m with the NW20 and there weren't many good signals. There was a pileup at the bottom of the band that I never did figure out but only a handful of good signals elsewhere. I answered a CQ and after 2 tries the other station gave me a 559 and copied my info perfectly. He is operator Lu at X5BYZ. His QSL manager is YU7KMN.

According to the info that I have, X5BYZ is China. The QSO was very short and I failed to get QTH info. Can anyone confirm who he is and where he is located?

Bill - K4AHK

Date: Sun, 22 Jun 1997 07:01:46 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21754] Re: SST ABX Mod
Message-ID: <19970622110147.AAA7688@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just went through my notes....

In order to make the ABX mod work on the SST, you'll need to insert a 39 uH choke (molded or toroid) between C10 and X4. Additionally, it will become necessary to add a 50 pF trimmer at in place of the fixed capacitor at C10. Since there's such a tight fit between U2 and X4, you'll need a really small trimmer cap. I've done the homework for you:

Mouser P/N 24AA024

This is a high quality ceramic trimmer and fits perfectly in place of C10.

-Paul, W9AC

Date: Sun, 22 Jun 1997 07:11:35 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21755] Using TiCK with the SST
Message-ID: <19970622111136.AAA8102@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I went out on a limb and tried something I hadn't done before.

Since the TiCK is rated between three and five volts, and the SST's regulated voltage is eight volts, some form of voltage drop is required. While it's possible to use the TiCK's 78L05 regulator (supplied with the

DIP-style kit), I chose to use two LEDs in series between the SST's eight volt supply and the TiCK. I'm not sure what, if any additonal current is spared by not using the additonal regulator, but it was an interesting experiment nevertheless. If I get a chance, I'll measure current consumption with both configurations. Until then, I plan on leaving it this way in mine.

-Paul, W9AC

Date: Sun, 22 Jun 1997 08:48:50 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21756] More TiCK/SST Mods
Message-ID: <19970622124851.AAA13416@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Like the Like the Wilderness KC1, the Embedded Research TiCK has he ability to inject sidetone audio into a transceiver. While I generally like to keep the sidetone off and let the rig provide it's own sidetown when available, it's still necessary to couple this audio into the rig for programming puposes. Embedded's Piezo alternative just doesn't cut it for me.

The TiCK manual states a value of a 1Meg resistor for R3 for use with the Norcal 40A. The results in a very low sidetone audio level on the SST. Simply change R3 to 100K to form a more proportional voltage divider. To my ears, this value provides a sidetone level that's "just right." As an alternative, one could replace the TiCK's R2/R3 voltage divider with a 100K micro-potentiometer. then you'll have the ability to set the level anywhere you want it.

-Paul, W9AC

Date: Sun, 22 Jun 1997 08:59:31 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21757] SST Tuning Range

Message-ID: <19970622125931.AAA14188@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Through the use of both varactor diodes and a SPDT switch I found that my SST's tuning range was 7029 to 7044 kHz. This is much than than I had expected. Anyone else have similar results?

-Paul, W9AC

Date: Sun, 22 Jun 1997 13:29:55 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Cc: tenten-1@Lehigh.EDU
Subject: [21758] Reflector Help
Message-ID: <19970622132952.AAA20574@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Everyone,

I have been collecting reflector addresses for a newsletter article and for distribution to new hams and hams with special interest. I have a list for the reflectors @lehigh.edu and @qsl.net. I would like to get any other addresses that I can get to add to this list. I know that there is a VHF and an EME reflector but I have lost the addresses.

Any help would be greatly appreciated.

(o o)

-----o00_()_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net
(757)930-0348 Advanced, W5YI VE, ARRL, PARC

Date: Sun, 22 Jun 1997 07:47:45 -0600
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@Lehigh.EDU>
Subject: [21759] Fw: SST Tuning Range
Message-ID: <199706221344.HAA06457@mars.ditell.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang:

Paul wrote:

<<Through the use of both varactor diodes and a SPDT switch I found that my SST's tuning range was 7029 to 7044 kHz. >>

My SST 40M with the same mod. is 7027 to 7044kHz.

Well worth the effort....

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

Date: Sun, 22 Jun 1997 08:05:56 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: n4js@amsat.org
Cc: qrp-l@lehigh.edu
Subject: [21760] Re: QRP Stuff/ OHR 400 problem trend?
Message-ID: <33AD3143.6A2C@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N4JS wrote:

> Before going to work tonight, turned on the OHR400, listened around, heard
> some DX, but nobody would answer me. Looked up at wattmeter. Zero (0)!!!

> watts! Now that's TOO qrp! Not sure what happened in the innards of the
> OHR400 while my back turned. This happened once before, and I thought it
> might have been a bad piece of coax from the rig to the coax switch, since
> when I replaced it, the power was back. This time checked output at the
> rig....still zilch. It will be a couple of days before I can take it apart
> and check it out. (Yep, I diddled the power control on the back...nothing.)
Do I see a small tend here?

I have noticed over the last couple of weeks that there have been a couple of people that have said that at times their OHR 400's have had side tone and no power out. I have had this problem with mine on and off for about a year and have not found the source yet. I noticed the first time and pulled the cover off and looked around and did not try it with the covers removed. At that time I just did not have the time to try and trouble shoot it. I sent it back to Dick and he pulled the covers off and tried it out and he did not find anything wrong. He shipped the rig back to me and I tried it out. No power out and just side tone, not receive, just audio hiss. I thought that maybe he had tried it with the covers off. I pulled the covers off and viola! all functions back to normal. After looking at the rig for about an hour, the only thing that I could see that might happen with the covers on was the band switch shorting to one of the case screws. I rotated the band switch and put the covers back on and it worked fine. Well it has been about a year since then and on the last camping trip, the old problem came back. I pulled the covers off and diddles around, but this time it was not the band switch touching the case. I tapped the band switch and the box, pushed on the boards and wiggled the wires. I HAVE NOT been able to find the source of the problem yet. I know that if I have the case screws loose and do not "stress" the chassis by putting the case screws in real tight that it will work. I know that if I tap the band switch and some parts of the boards and rig that the problem will come and go. I have checked all of the wires by wiggling and the band switch with a meter and checked all of the boards to see if something is touching and shorting out but nothing so far. It acts like a dirty connection somewhere or a loose connection or ????? bit I have not been able to find it yet. I have NOT replaced the band switch yet. I did notice that at the time it was acting up that switching the band switch around or tapping on it did make the problem come and go but I could find nothing electrically wrong with the band switch and all it does is turn on the bands by switching the DC on and off, when the problem was there, the DC was there too, so the band switch was doing its job.

Anyone else have this problem or a clue as to what could be causing it? Mine is still working fine. I just took the covers off, took out the band switch, diddled around, and put it back together with the case screws in loose, and it has been sitting here on the bench working fine for about 2 weeks now...a mystery!

Best

Jess N0TFI

Date: Sun, 22 Jun 1997 10:03:50 -0400 (EDT)
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [21761] 12 Volt Power Stations at Target
Message-ID: <970622100349_-529262904@emout14.mail.aol.com>

According to a flyer in my newspaper this morning, Target has 12 volt battery stations on sale for \$24.99. I think they are usually \$5 or so higher than that. Anyway, this may be perfect timing on Target's part, since Field Day is next week. The bad news is that I suspect these have the 4 amp/hour batteries (rather than 7 amp/hour) in them, but I'm not sure of that. If I get a chance I might take a look. I have plenty of these so I don't need another one.

72 de David W7AQK

Date: Sun, 22 Jun 1997 10:04:07 -0400
From: Craig LaBarge <LaBarge_C@CompuServe.COM>
To: QRP-L Mailing List <qrp-l@Lehigh.EDU>
Subject: [21762] Another SST is Born
Message-ID: <199706221004_MC2-18F4-3FE4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Gang:

My 30 meter SST kit arrived last week and I finally had some time yesterday to build it. It took somewhere in the neighborhood of 4 to 5 hours to build and I encountered absolutely no problems whatsoever. All the parts were there, instructions were excellent, alignment was trivial, and it worked like a champ the first time I fired it up. The case was a perfect fit (and even looks great with the unfinished aluminum).

The only mod I made was to reduce the number of turns on L2 and L3 by one=
=2E =

When I originally wound them with the specified 14 turns, the inductance measured at 10MHz seem a tad high. 13 turns brought them in a little closer to the specified .8 uH. I think mine measured at about .9 or so. =

Anyway, I get 2 watts out with a 13.6 volt power supply. Stable as a rock and the receiver has plenty of audio. I opted to use "D4B" in the VX0 and the tuning range is as specified in the manual.

This morning I fired up the SST and heard a K5 station calling "CQ QRP" and got him on the first call. He was down in MS and we had a nice chat despite some very noisy band conditions and the fact that I was pumping 2= watts into my rainspout antenna. He gave the SST a clean signal report. = So, Southeastern PA to MS wasn't a bad first QSO for the little SST.

I finished the SST just in time for some real field testing on an upcoming vacation to the Outer Banks of NC. I think I'm going to have some fun with this little rig. After I get back, I'll have to get it painted and pretty it up a bit.

73, Craig WB3GCK

P.S. The only problem with the rig is that I tend to get hypnotized by that flashing LED on the front panel!

Date: Sun, 22 Jun 1997 11:51:04 EDT
From: n4so@juno.com
To: qrp-1@lehigh.edu
Subject: [21763] DX Callsign Info Server
Message-ID: <19970622.114734.5215.9.N4SO@juno.com>

QSL info for DX callsigns can be obtained from the QSL Info Server. In the body of message type in just the DX callsign. Here is a sample, the reply and the instructions that follow each reply. Multiple callsigns will work.

From: qsl-info@datasync.com (QSL Info Server)
Date: Sun, 22 Jun 1997 09:46:20 -0500
Subject: QSL Information

YU7KMN
YU7KMN: R.K. N. TESLA, P.O.BOX 79, YU-25000 SOMBOR
UPDATED BY DL1SBF: 26-APR-1997 1732Z

QSL Info Server Instructions

Send e-mail to qsl-info@datasync.com with DX callsigns in the message body. Include only callsigns for best performance.

Additions and corrections should go to the database maintainer:
Lothar, DL1SBF packet radio address: DL1SBF @ DB0SDX.#BW.DEU.EU
email: k9pes_ms@siiks.a1.bosch.de

Other comments, etc. to Ray, WQ5L rocker@datasync.com

For W/VE callbook addresses visit <http://www.qrz.com/cgi-bin/webcall>

nnnn

Ken Brown , N4SO
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

Date: Sun, 22 Jun 1997 09:24:20 -0700
From: JIM <kw3u@warwick.net>
To: qrp <qrp-l@lehigh.edu>
Subject: [21764] Keeping the Argo 505
Message-ID: <33AD51B4.659F@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all.

Well I have regained my senses(some of them) before accepting bids on my argonaut 505. I figured that it shud be well tested on all bands, and in as advertised condition before shipping so hooked up the solar charged batteries(pre-field day in case it rains) and longwire and call cq on 3710. After a few nice qso's its off to 40 and a chat with N.H.(thank god for the rit-did you know old tube

equipment sometimes drifts alot?) down to 20 and a ball working dx;
Anyway, I guess you can see where this is leading...I am having too
much fun with this.....sigh....the heck with selling stuff to
raise cash for the 570D I wanted...The qrp rigs on my shelves have
been awfully good friends to me(when I feed them power correctly)
so my apologies and with the money I already saved, I shudder to
think what lurks at the upcoming hamfests at Sussex and Wilkesbarre.

Hope to work many of you during FD next week, The hw8;Argo;OHR sprint;
Ohr Spirit; along with many straight keys will be having a wonderful
weekend (did not invite Murphy,so nothing will go wrong)

72/73 fm KW3U Matamoras,Pa.

Date: Sun, 22 Jun 1997 05:19:34 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-l@lehigh.edu
Subject: [21765] Re: QRP Stuff/ OHR 400 problem trend?
Message-ID: <3.0.32.19970622051931.00d0fd88@okc.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:05 AM 6/22/97 -0600, you wrote:

>N4JS wrote:

>

>> Before going to work tonight, turned on the OHR400, listened around, heard
>> some DX, but nobody would answer me. Looked up at wattmeter. Zero (0)!!!
>> watts! Now that's TOO qrp! Not sure what happened in the innards of the
>> OHR400 while my back turned. This happened once before, and I t

I had a similar problem with the OHR Classic. Power output would vanish,
leaving sidetone. Probing around the innards would eventually cause it to
work, but did not know what I had done. Turned out to be the coaxial power
connector furnished by OHR with the rig. I finally discovered that I could
wiggle it, and the problem would come and go. I "jury rigged" the
connector to force a solid connection (will replace it one day), and have
had no further problem with it since. May or may not be the same culprit.
"72"

Dub WA5YFY
J. W. (Dub) Thornton
QRP-l # 159
ARCI #6982
NW QRP # 427
Minco, Okla. 73059

Date: Sun, 22 Jun 1997 09:33:38 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: qrp-1@lehigh.edu
Subject: [21766] Target battery packs (watch out!)
Message-ID: <199706221633.JAA15337@siskiyou.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, gang.

Just a quick note to watch out for the lifetime of those battery packs. I picked up a dead one at a fleamarket and replaced the batteries. They don't hold up well for very many years, according to the manufacturer's rep over here in NY. Don't expect them to live more than a couple-three years or so. Can't zap them, either.

I guess they're ok for a couple-three years, though.

tftbw....Jim W7LS

Date: Sun, 22 Jun 1997 05:32:48 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-1@Lehigh.EDU
Subject: [21767] Re: QRP Stuff/ OHR 400 problem trend?
Message-ID: <3.0.32.19970622053245.00d17b44@okc.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:05 AM 6/22/97 -0600, you wrote:

>N4JS wrote:

>

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"72"

Hey guys: Sorry, did not make this post clear. The coaxial power connector is on the end of the power cord furnished by OHR. It simply did not fit the mating connector on the rig very well. I could wiggle the power cord and make the problem come and go at will. I squeezed the coaxial connector with a BIG pair of pliers to effect a good electrical connection. Voila!!!, no further problems. Will replace the connector one day, as I did too good a job, it is quite hard to connect and disconnect now, but certainly no further power problems. "72"

Dub WA5YFY
J. W. (Dub) Thornton
QRP-1 # 159
ARCI #6982
NW QRP # 427
Minco, Okla. 73059

Date: Sun, 22 Jun 1997 13:08:03 -0400
From: LDG Electronics <ldg@radix.net>
To: qrp-1@Lehigh.EDU
Message-ID: <103102804afd2ccad4f7a@[209.48.227.88]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>QRP folk,
>
>I am building an antenna tuner so that I can use my 20m SST with my 30m
>dipole. This is a junk box project. I have a 1 1/4" toroid that I plan
>on using for a multi-tapped inductor, and a air variable capacitor with
>100 a uf value. Now the question is.... how many turns of what gauge
>wire should this toroid be wound with to make a good general purpose
>antenna antenna tuner?
>
>Tim & Aretta Gordish
>KB9LGJ & N0YDG
>Yuma, AZ

Tim and Aretta,

The answer to your question of how many turns you should have is easy.....
as many as you can get on there. The more you have, the better tuning range
you get. The size wire depends on how much power you will be running. #18
gauge will handle well over 100 watts, #22 will go just over 50.

With the 1.25 size core (which is probably a T-130), you could easily get 30 turns on there. That would give you about 10uH, which should be plenty to make a general purpose tuner.

Your taps should come off in a linear fashion. Depending on the number of switch positions you have (you probably want 10 or more), you can fine tune the resolution that you get. The more positions the better the resolution.

Here is a table of turns for a T-130-2 core with 12 taps (the zeroth turn is shorted):

Inductance	Turns
------------	-------

9.9	30
9.2	29
8.0	27
6.9	25
5.8	23
4.9	21
3.9	19
3.1	17
1.8	13
1.1	10
0.5	7
0.0	0

These are optimized based on the number of taps that you may have. The actual inductance is shown for the number of turns taken.

Hopefully this will help in your design.

Dwayne Kincaid
WD8OYG

LDG Electronics
1445 Parran Road, St. Leonard MD 20685
Phone: 410-586-2177
Fax: 410-586-8475
e-mail: ldg@radix.net
web site: <http://www.radix.net/~ldg>

Date: Sun, 22 Jun 1997 10:52:54
From: Dan Hogan <dhhogan@lightside.com>
To: qrp-1@Lehigh.EDU
Subject: [21769] Made in Japan Telegraph Key
Message-ID: <3.0.1.16.19970622105254.25779936@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know anything about a Calrad, T.K. 12, Super Speed Telegraph Key Semiautomatic "Bug"? Made in Japan.

I was just given one.

Dan Hogan
West Covina, CA
dhhogan@lightside.com

Date: Sun, 22 Jun 1997 09:54:40 -0800
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennc@alaska.net>
To: qrp-1@lehigh.edu
Subject: [21770] Re: Field Day site for W5BI/WB5LYJ/WA5WHN/Adora Dog
Message-ID: <33AD66E0.562A@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

JayMiller@aol.com (WA5WHN) wrote:

> This year, we are going to set up a 20 meter antenna & point it towards the
> NW (Alaska) to see if We can copy Jim & Nancy Larsen (AL7FS & KL7NY), in
> Anchorage.

Thanks, Jay.

I will try to listen for you. I may have to run 100 watts (gasp!) to reach you. Bands are really poor up here. Today the UN is non-existent on 14.100. VE6 is S7 with 10 w and 1 watt readable. W6 is only S4 at 100 watts. This was at about 1730Z.

I worked a JA1 on 15 meters last night. I stuck to my QRP levels and received a (get this....) 599. Hah!! I think the testers fib a lot. He could barely copy me over the noise level.

Worked K0EVZ, Doc, on 20 meters. I would like to know how he does it. I think he must live on a huge hill that drops away from the house on all sides. He was using the SLV/MMA vertical. I heard no other QRP stations on at all at that time.

Happy FD to all.

73,

Jim

--

Jim Larsen

Anchorage, Alaska

Acupressure Anchorage

AL7FS ex-WA0LPK / KL7

2 meter WAS #36

Vision VR40

Date: Sun, 22 Jun 1997 14:01:50 EDT
From: k5zty@juno.com (WILLIAM A STIETENROTH)
To: QRP-L@Lehigh.EDU
Cc: haf47@juno.com
Subject: [21771] re: Juno crashes
Message-ID: <19970622.175903.4399.1.k5zty@juno.com>

There is a way to delete the offending BARK messages without going to your editor and creating more files and stuff. Read the 2 messages above and below the BARK message and do what ever you want to do with them before deleting them. Now delete the first of them with your mouse. Now your space bar operates the delete key. Tap the space bar three times rapidly and the messages will be deleted before they come up on the screen and the BARK message will be gone before it can screw things up. It works for me. Don't ask me how, I'm completely computer ignorant.

72,

Bill, K5ZTY

Houston, TX

k5zty@juno.com

WITHOUT CW, IT'S JUST CB

ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440

QRP-L 473

Date: Sun, 22 Jun 1997 13:40:48 -0500

From: "J.B. Fox" <w5hir@mail.phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [21772] Oscilloscope
Message-ID: <199706221852.NAA31056@raid2.fddi.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HI... I have a dual trace BK precision oscilloscope. I need to find a manual for it. If anyone can direct me to a web page or e-mail address or snail mail address or something that I can contact the company, I would appreciate it. I have tried BK on the web search, and got nothing. I tried Oscilloscopes and got about 48000++ hits..

regards,

Foxy w5hir@mail.phoenix.net

Date: Sun, 22 Jun 1997 13:47:16 -0500
From: "Mark A. Arvidson" <arvidson@swbell.net>
To: homebrew@qsl.net, qrp-l@Lehigh.EDU
Subject: [21773] Looking for a crystal
Message-ID: <33AD7334.3F71@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy again, all,

I asked for some help locating a 14.135 crystal yesterday, and it occurred to me today that it's an odd frequency. I could use any frequency close to that since I'm tuning the crystal. e.g. 14.060 or anything like that would probably work. Anyway, if I don't hear anything in the next couple of days, I'll probably order one from somebody.

Thanks again for all the help,

Mark Arvidson, KB0SPQ
arvidson@swbell.net

Date: Sun, 22 Jun 1997 19:18:55 +0100

From: Brian Short <SHORTCKT@primenet.com>
To: dseaburg@web-access.net
Cc: QRP-1@lehigh.edu
Subject: [21774] Re: NorCal 38
Message-ID: <3.0.1.32.19970622191855.006b1248@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dale, et. al.,

I "modularized" my web page(s), creating subdirectories to make the "complexity" manageable? Anyway you can still access the page as:
<http://www.qsl.net/k7on/qrp/qrp.htm>

Or, from the "main" page: <http://www.qsl.net/k7on>

Several other "topics" were recently moved, also, so it may be wise to reset any bookmarks (if anyone has them?).

73, Brian

>Brian,
>Was searching through old (March 97) APRSSIG digests and found reference
>to the NorCal kits you mentioned. However the URL you gave is no longer
>valid: <http://www.qsl.net/ke7gh/qrp.htm>.
>Do you have any further info on how I can contact the club about getting
>a kit?
>Thanks,
>Dale Seaburg KG5LT
>dseaburg@web-access.net

-Brian
shortckt@primenet.com

Date: Sun, 22 Jun 1997 16:30:51 -0400 (EDT)
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
To: qrp forum <qrp-1@Lehigh.EDU>
Subject: [21775] Re MCL mixer/MAR June sale
Message-ID: <Pine.BSI.3.93.970622162334.14741A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry--forgot to mention that if anyone mails in their order, they are supposed to mention the phrase "Internet June" to get the special price on the SBL-1 mixers (\$3.05) and MAR-1 (69 cents) which are the June special

on the Minicircuits home page (under the What's New section).

(And that's a pretty good price, considerably cheaper than places like Communications Concepts, Dans Small Parts, etc; it would be worthwhile to get a few people together and do a local group buy to meet the \$50 minimum.)

Again, usual disclaimers, no connection except as a customer, etc.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

Date: Sun, 22 Jun 1997 15:47:06 -0500 (CDT)
From: george fremin iii <geoiiii@bga.com>
To: qrp-1@lehigh.edu
Subject: [21776] Re: short vs. long path
Message-ID: <199706222047.PAA23501@zoom.bga.com>
Content-Type: text

Hank Kohl writes:

>
>Don't think I've ever worked a JA long path on 20-15-10.

I have (from Texas) often worked japan on the long path on 10 and 15. This happens several hours after our sunrise and it also depends on the time of year/solar cycle.

In fact I have even worked several JA stations on 6m long path during the last solar peak.

If you play with a propagation prediction program you will often find that in some directions the MUF will be higher on the long path beam heading than it is on the short path.

There are some paths from a given QTH/band that are better long path than they are short path.

One example is the west coast has an easier time working europe on 80 meters on the long path than it does on the short path.

--

George Fremin III
Austin, Texas C.K.U. "It is hard to be in one place at the same time."
K5TR -- Overheard at the TR-Log booth
512/416-7010 at the Dayton Hamvention
geoiiii@bga.com

Date: Sun, 22 Jun 1997 16:37:24 -0400 (EDT)
From: n4js@amsat.org
To: qrp-l@Lehigh.EDU
Subject: [21777] OHR400 problem
Message-ID: <XFMail.970622164144.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

OK, took the covers off the OHR400.

1. Symptom: Everything normal receive-wise. Good sidetone. No power out.

Traced rf back to predriver....there was none. Got back to Transmit Xtal oscillator (Q10 and Q11). It ain't oscillating. Checked transistors (in circuit) look normal. Checked voltages...looked nominal. The sucker ain't oscillating! It WAS intermittent a while ago, and cycling power would "kick" it into working. Now, dead. I strongly suspect the 9 Mhz crystal.

More later (grumblegrumblenuts)

Sent at 16:41:44 on 22-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

Date: Sun, 22 Jun 1997 14:26:03 -0700 (PDT)
From: kd7s@psnw.com (Bill Jones)
To: qrp-l@Lehigh.EDU
Subject: [21778] Re: Oscilloscope
Message-ID: <199706222126.0AA26433@sierra.psnw.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Try A.G. Tannenbaum at <http://www.agtannenbaum.com> --- I was able to get a manual for my BK scope through them.

>HI... I have a dual trace BK precision oscilloscope. I need to find a manual
>for it. If anyone can direct me to a web page or e-mail address or
>snail mail address or something that I can contact the company,
>I would appreciate it. I have tried BK on the web search, and got nothing.
>I tried Oscilloscopes and got about 48000++ hits..

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

Date: Sun, 22 Jun 1997 17:38:27 +0000
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@Lehigh.EDU
Subject: [21779] My Cascade is built! Ready for FD!
Message-ID: <v01510100afd30e94ecf8@[207.61.168.142]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All;

After procrastinating for over a year, I have finally completed my Cascade 80-20 M SSB Xcvr. And it seems to work fine. I'll see next week-end as I will attempt to operate Field Day with it. My fallback xcvr is an FT-301 Yaesu, which has been used in the past 2 years.

For any of you who have waited longer than I did to assemble the 'kit', here is some advice!

If you got one of the last 50 kits, the crystals for the BFO and filter could be WAY OFF the 'suggested' frequencies. Even with the updated capacitors, my center passband frequency turned out to be 9006.900 MHz, which put my BFO freqs at 9008.80 and 9005.00 MHz. This gave me a 3 dB bandwidth of about 3100 Hz on 20 M, and a bit narrower on 75 M.

I was able to fudge the BFO xtal by lowering the capacitor values, and the inductors, but I heard one fellow had to order a different xtal.

If you use the KC-2 frequency display, be aware that the receive frequency

will display OK, BUT not while Xmitting, if you use the suggested connection at pin 7 of U7. It's easy to see why - the TX PTT turns off that receive mixer during Xmit! Nothing in the manuals, nor the Internet postings mentioned that.

I also installed a tune-up oscillator, operating at around 1500 Hz, with a switch to the PTT line, so that I can flip a switch to adjust the SWR. The whistling, contrary to some advise, was not steady enough - or maybe it's my whistle!

There is room inside the case, at the back to install a little plastic flange to hold the unused band module. That gets it out of the way, and keeps it handy. A bit of tape on the back, and a couple of rubber feet on each side of the module keeps it from flopping around!

I tried the Buzz-Not noise blanker, but it caused squirrely conditions in xmit, so I trashed it for now.

The business about the 'Kenwood' standard speaker-mike was false. The standard Alinc, etc. one is the right connections and spacing. I did see that mentioned in postings - but I did buy the other. Anyone need one?

I seem to get about 10W + on 75M and about 4-5W output on 20M. The bias control has very little overall effect, but does change the overall current, when not talking. I left it mid travel.

So, if there is any other interest, drop me a line. It was a challenging kit, and not for the real newbies. I couldn't figure out how to get the LDG QRP auto tuner into the box. If I had tried, right from the beginning, and saw a completed Cascade, I might have repositioned a few components in the beginning, and it might have fitted. Definitely the spare module would not have.

72 es 73

Mike.....>

Michael Pupeza VE3EQP
mpupeza@csolve.net

Date: Sun, 22 Jun 1997 17:53:15 -0400 (EDT)
From: n4js@amsat.org
To: qrp-1@Lehigh.EDU

Subject: [21780] Found it! (Re: OHR400)
Message-ID: <XFMail.970622175719.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Found it. For some reason L324, a 15 microhenry molded inductor in series with the 9Mhz crystal, was open. (OK, Maybe I cracked it installing it, although it looks pristine). Anyway, replaced it with a 12 microhenry I had in junk box, retuned the capacitor, and voila! it works!

Now to ground everything...thunderboomers are booming!

Sent at 17:57:19 on 22-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

Date: Sun, 22 Jun 1997 17:28:20 -0500
From: randy_ott@juno.com (Charles R. Ott)
To: astone@erols.com
Cc: qrp-l@Lehigh.EDU
Subject: [21781] Re: NE602 Differential Input/Output Impedance Question
Message-ID: <19970622.173033.8878.0.randy_ott@juno.com>

Rutledge's course material is correct, single ended impedance is 1500 Ohms and differential impedance is 3000.

Charles R. (Randy) Ott
K5HJ - QRP-L #1040

On Sat, 21 Jun 1997 16:25:24 -0700 astone@erols.com writes:
>Here's one for you gurus out there. Hopefully, someone can clear up a
>
>bit of confusion for me. On page 72 of Spring QRPP, Jim Kortge
>states:
>"I used a transformer to get the 750 ohm push-pull output of U1
>down to 50 ohms..." Rutledge's "Electronics of Radio: EE20" course
>

>book -- indicates the output impedance to be 3K for the differential
>input (or output) -- pgs. 4.8, 10.15, 10.17. Single ended
>input/output
>impedance is 1500 ohms. In both examples, a conventional toroid
>transformer is being used with the primary across pins 4 and 5 of the
>NE602 and the secondary drives the crystal filter. Who's right?
>
>Thanks for your help.
>
>Ron (KA3J)
>Bethesda, MD
>
>

End of QRP-L Digest 765

